

The Department of Earth Observation Science (EOS) of the Faculty of Geo-Information Science and Earth Observation (ITC), University of Twente in Enschede, the Netherlands, has a fulltime vacant position for

Software engineer
“Mobile sensor positioning”

Tasks

You will work in the project “Position estimation of mobile sensors using airborne imagery”. This project is funded by the Technology Foundation STW, part of the Netherlands Organisation for Scientific Research NWO.

The objective of the research project is to develop methods to alleviate the effect GPS outage has on the precision of mobile mapping. These outages are occurring in so-called urban canyons, where the direct line-of-sight to navigation satellites is obstructed. Two PhD students are already working in this project and developing methods to use airborne oblique and nadir images as independent control and tie information to correct the trajectory estimates of mobile mapping platforms. The software engineer we are seeking now is to take the results of the PhD students and develop a user-friendly processing pipeline capable of dealing with the large amount of data to be dealt with in production processes. Leading companies from the Dutch mobile mapping industries and major end users form a user committee and closely collaborate with the project members.

Your profile

You must hold an MSc degree related to geo-informatics and be well familiar with point cloud processing and photogrammetry/computer vision. Excellent programming skills are a necessity. Excellent communication skills in English are required to smoothly interact with the project partners.

Offer

We offer an inspiring and challenging international and academic environment. You will be employed as a University of Twente staff member for a period of two years (fulltime). Salary and conditions will be in accordance with the Collective Labour Agreement (CAO-nu) of the Dutch Universities. Gross monthly salary depends on experience and qualifications, and ranges from € 2552.- to € 4028.- exclusive of allowances, in accordance with the job profile Software developer 3, under the University System for Job Classification (UJC). Costs for moving to Enschede may be reimbursed.

Information and application

Additional information about this position can be obtained from Professor George Vosselman (e-mail: george.vosselman@utwente.nl, phone: +31 53 4874 344). Additional information on the project can be found on <https://mm-pos-optimisation.nl/>. You are also invited to visit [our homepage](#).

Please locate this vacancy on <https://www.utwente.nl/en/organization/careers/vacancies/> and submit your application through the form before 7 March 2017 (choose “apply here”).